PRODUCT TESTING LABORATORY
Final Laboratory Averages Report

Philip Morris USA
Confidential

Report Date.: 01/30/98 4:01 PM
Request.....: MA97-5
Submitter...: E.Chambers/J.Garman
Request Type: inh
Activity : T00107

Reported By...: WINSTON,NITA
Date Submitted: 11/03/97
Date Received.: 11/03/97
Date Completed: 11/20/97
Approved By...: WINSTON,NITA

Description.: MASSACHUSETTS COMPLIANCE - TEST BRANDS MORE THAN 5% MARKET SHARE FOR MA.COMPLIANCE

Test Categories/Tests	MR8 Target	MR8 Average	MR8 StdDev	MR8 N	ML8 Target	ML8 Average	ML8 StdDev	ML8 N
Smoke								
FTC Butt Length, mm		34.0				39.0		
MA Tar, mg/cigt		31.8	1.06	20		24.2	0.85	20
MA TPM, mg/cigt.		45.3	2.19	20		32.3	1.45	20
MA Nicotine, mg/cigt.		2.27	0.071	20		1.73	0.059	20
MA Water, mg/cigt.		11.21	1.364	20		6.36	0.696	20
MA Puffs/Cigt.		13.6	0.34	20		13.2	0.34	20
Tar/Puff, mg		2.3				1.8		
pH		5.38	0.008	3		5.35	0.019	3
MA CO, mg/cigt.		28.9	0.96	20		27.1	1.01	20
Filter								
Tipping Paper Length, mm		31.5	0.35	20		35.8	0.44	20
Ventilation, %		14	2.8	100		30	4.1	100
Filler								
Tobacco Weight, g		0.858	0.0038	4		0.811	0.0038	4
CDC Nicotine, mg/cigt.		15.48	0.213	3		14.34	0.302	3

Test Categories/Tests	ML8M Target	ML8M Average	ML8M StdDev	ML8M N	MRM8 Target	MRM8 Average	MRM8 StdDev	MRM8 N
Smoke								
FTC Butt Length, mm		39.0				39.0		
MA Tar, mg/cigt		23.0	0.76	20		27.3	0.80	20
MA TPM, mg/cigt.		30.5	1.15	20		37.7	1.28	20
MA Nicotine, mg/cigt.		1.64	0.064	20		1.95	0.065	20
MA Water, mg/cigt.		5.80	0.578	20		8.51	0.752	20
MA Puffs/Cigt.		12.9	0.42	20		13.1	0.45	20
Tar/Puff, mg		1.8				2.1		
pH		5.36	0.029	3		5.38	0.032	3
MA CO, mg/cigt.		26.5	1.14	20		26.5	1.28	20
Filter								
Tipping Paper Length, mm		36.0	0.26	20		35.9	0.40	20
Ventilation, %		32	3.9	99		20	3.7	99
Filler								
Tobacco Weight, g		0.780	0.0076	4		0.808	0.0045	4
CDC Nicotine, mg/cigt.		12.97	0.021	3		13.90	0.168	3

Notations:

MR8 - MARLBORO 100 20'S (SP)
ML8 - MARLBORO LIGHTS 100 20'S (SP)
ML8M - MARLBORO LIGHTS MENTHOL 100 20'S (SP)
MRM8 - MARLBORO MEDIUM 100 20'S (SP)

SEE PAGE 2 FOR THE CDC NICOTINE DISCLAIMER

All tests were conducted in the Philip Morris U.S.A. Research and Development Product Testing Laboratory. The above test results relate to the samples submitted to this laboratory during the stated time period. Extrapolation outside this time period is not appropriate.

Doc-Code: P0622

PM3000397097

Source: https://www.industrydocuments.ucsf.edu/docs/tndl0001

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The specified CDC protocol cited in the Federal Register/Vol.62.No.85, 24115 through 24119, Standards Addition Assay, II.B.1.through 12., was followed as written and results reported with specified recovery correction, II.D.8.
In II.B.2., instructions and calculations related to the nicotine and internal standard concentrations are in error.

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cc:

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